Amendments to the Claims:

Listing of Claims:

1-26 (canceled).

27. (new) An optical sensing device for detecting optical features of valuable papers, comprising first and second photocouplers positioned in the vicinity of and on the opposite sides of a passageway for guiding the valuable paper,

each of the first and second photocouplers having a light emitting element for emitting a light, and a light receiving element in the proximity to the light emitting element for selectively receiving the light from the light emitting element.

28. (new) The optical sensing device of claim 27, wherein the first photocoupler comprises a first light emitting element for emitting a first light of a first wavelength and a first light receiving element adjacent to said first light emitting element;

said second photocoupler comprises a second light emitting element for emitting a second light of a second wavelength different from the first wavelength of the first light emitted from the first light emitting element, and a second light receiving element adjacent to said second light emitting element;

the first light receiving element can receive the first light reflected on the valuable paper and the second light that penetrates the valuable paper from the second light emitting element;

the second light receiving element can receive the second light reflected on the valuable paper and the first light that penetrates the valuable paper from the first light emitting

element.

29. (new) The optical sensing device of claim 28, wherein one of the first and second lights is an infrared ray, and

the other of the first and second lights has a wavelength other than wavelength of infrared ray.

30. (new) The optical sensing device of claim 29, wherein the first and second lights are selected from the group consisting of red, green, yellow, blue and ultraviolet lights.

31. (new) The optical sensing device of any one of claims 28 to 30, wherein the first light emitting element is apposed to the first light receiving element transversely to the transported direction of the valuable paper and in alignment with the second light receiving element across the passageway; and

the second light emitting element is apposed to the second light receiving element transversely to the transported direction of the valuable paper in alignment with the first light receiving element across the passageway.

32. (new) The optical sensing device of claim 27, wherein said first and second light emitting elements are turned on at the different points in time from each other to prevent the first and second light receiving elements from simultaneously receiving the first and second lights.

33. (new) The optical sensing device of claim 27, wherein the first photocoupler is disposed in vertically spaced relation to the second photocoupler across the passageway.

34. (new) An optical sensing device for detecting optical features of valuable papers, comprising first and second fourfold assemblies longitudinally arranged before and behind along a passageway for guiding the transported valuable paper,

said first fourfold element comprising first and second photocouplers positioned in the vicinity of and on the opposite sides of the passageway, and

said second fourfold element comprising third and fourth photocouplers positioned in the vicinity of and on the opposite sides of the passageway,

each of said first, second, third and fourth photocouplers having a light emitting element for emitting a light, and a light receiving element for selectively receiving the light from the light emitting element and reflected on or penetrating the valuable paper.

35. (new) The optical sensing device of claim 34, wherein the first and third photocouplers are arranged in vertically spaced relation to and in alignment to respectively the second and fourth photocouplers.

36. (new) The optical sensing device of claim 34 or 35, wherein said first photocoupler comprises a first light emitting element for emitting a first light and a first light receiving element adjacent to said first light emitting element;

said second photocoupler comprises a second light emitting element for emitting a second light of the wavelength different from that of the first light, and a second light receiving element adjacent to said second light emitting element;

the first light receiving element can receive the first light reflected on the valuable paper and the second light

penetrating the valuable paper;

the second light receiving element can receive the second light reflected on the valuable paper and the first light penetrating the valuable paper,

said third photocoupler comprises a third light emitting element for emitting a third light and a third light receiving element adjacent to the third light emitting element,

said fourth photocoupler comprises a fourth light emitting element for emitting a fourth light of the wavelength different from that of the third light, and a fourth light receiving element adjacent to the fourth light emitting element,

the third light receiving element can receive the third light reflected on the valuable paper and the fourth light penetrating the valuable paper,

the fourth light receiving element can receive the fourth light reflected on the valuable paper and the third light penetrating the valuable paper.

37. (new) An optical sensing device for detecting optical features of valuable papers, comprising first and second photocouplers positioned in the vicinity of and on the opposite sides of a passageway for guiding the transported valuable paper;

said first photocoupler comprises a first light emitting element for emitting a first light of a first wavelength, and a first light receiving element adjacent to said first light emitting element;

said second photocoupler comprises a second light emitting element for emitting a second light of a second wavelength different from the first wavelength, and a second light receiving element adjacent to said second light emitting element;

the first light emitting element is apposed to the first

light receiving element transversely to the transported direction of the valuable paper and in alignment with the second light receiving element across the passageway;

the second light emitting element is apposed to the second light receiving element transversely to the transported direction of the valuable paper in alignment with the first light receiving element across the passageway;

the first light receiving element receives the first light reflected on the valuable paper from the first light emitting element and the second light that penetrates the valuable paper from the second light emitting element;

the second light receiving element receives the second light reflected on the valuable paper from the second light emitting element and the first light that penetrates the valuable paper from the first light emitting element;

one of the first and second lights is an infrared ray, and the other of the first and second lights has a wavelength other than wavelength of infrared ray; and

the first and second light emitting elements are turned on at the different points in time from each other.

38. (new) The optical sensing device of claim 37, wherein infrared ray received by the receiving element provides reference or basic light data for detecting a light amount level of light other than infrared ray.

39. (new) The optical sensing device of claim 37, wherein the light other than infrared ray is selected from the group consisting of red, green, yellow, blue and ultraviolet lights.

40. (new) An optical sensing device for detecting optical

features of valuable papers, comprising first and second fourfold assemblies longitudinally arranged before and behind along a passageway for guiding the transported valuable paper;

said first fourfold element comprising first and second photocouplers positioned in the vicinity of and on the opposite sides of the passageway;

said second fourfold element comprising third and fourth photocouplers positioned in the vicinity of and on the opposite sides of the passageway;

the first and third photocouplers are arranged in vertically spaced relation to and in alignment to respectively the second and fourth photocouplers;

the first photocoupler comprises a first light emitting element for emitting a first light, and a first light receiving element adjacent to said first light emitting element;

the second photocoupler comprises a second light emitting element for emitting a second light of the wavelength different from that of the first light, and a second light receiving element adjacent to said second light emitting element;

the third photocoupler comprises a third light emitting element for emitting a third light, and a third light receiving element adjacent to the third light emitting element;

the fourth photocoupler comprises a fourth light emitting element for emitting a fourth light of the wavelength different from that of the third light, and a fourth light receiving element adjacent to the fourth light emitting element;

the first light receiving element receives the first light reflected on the valuable paper from the first light emitting element and the second light penetrating the valuable paper from the second light emitting element;

the second light receiving element receives the second light

reflected on the valuable paper from the second light emitting element and the first light penetrating the valuable paper from the first light emitting element;

the third light receiving element receives the third light reflected on the valuable paper from the third light emitting element and the fourth light penetrating the valuable paper from the fourth light emitting element;

the fourth light receiving element receives the fourth light reflected on the valuable paper from the fourth light emitting element and the third light penetrating the valuable paper from the third light emitting element;

one of the first and second lights and one of the third and fourth lights are infrared rays, and the other of the first and second lights and the other of the third and fourth lights have the wavelength other than wavelength of infrared ray;

the first and second light emitting elements are turned on at the different points in time from each other;

the third and fourth light emitting elements are turned on at the different points in time from each other.

41. (new) The optical sensing device of claim 40, wherein the other of the first and second lights has the wavelength other than wavelength of the other of the third and fourth lights.

42. (new) The optical sensing device of claim 39 or 40, wherein infrared ray received by the receiving element provides reference or basic light data for detecting a light amount level of light other than infrared ray.

43. (new) The optical sensing device of claim 39 or 40, wherein the light other than infrared ray is selected from the group

consisting of red, green, yellow, blue and ultraviolet lights.